

Abstract

Determinations of perfusion on the body of a living
being are possible by detecting a dye bolus injected
5 into the body by irradiating radiation into the body
and detecting the response radiation occurring on the
surface of the body. The aim of the invention is to
make it possible to reliably carry out these
determinations with a simple compact and transportable
10 device. To this end, a fluorescent dye is injected, and
optical excitation radiation is irradiated into the
body, and a temporal relation between a fluorescent
radiation, which is triggered by the excitation
radiation, and the excitation radiation is measured.